

State of California Qualified Products List

General

The assemblies listed below have been tested by the California Department of Transportation Laboratory and found to be compliant to the *Traffic Signal Control Equipment Specifications* (TSCES), dated January 1989, and applicable addendum, and the Transportation Electrical Equipment Specifications (TEES), dated August 16, 2002, plus Errata 1 dated October 27, 2003 and Errata 2 dated June, 08, 2004 and applicable addendum, and the Specification for Battery Backup System (BBS) Inverter and External BBS Cabinet.

When these assemblies are to be purchased, only those listed below will be considered.

Qualifier to Qualified Products List (QPL)

A manufacturer's listing on the QPL does not waive any of the requirements of the specifications or relieve the manufacturer/vendor of any obligation thereunder. Defective work, materials and equipment will be rejected.

In short, all equipment submitted must comply with current specifications.

Model 170E Controller Unit

Automatic/Eagle Signal	Model: AAZ11516P001
Dynamic Traffic Systems (Dynatrol)	Model: 170E with 412
Topping Electronics, LTD	Model: 170E
McCain, Inc.	Model: M11347
Phillips/Sisson Industries, Inc. (PSI)	Model: 170E-0000
Safetran Traffic Systems Incorporated	Model: 289447A170

Model 2070L Controller Unit

Econolite Control Products, Inc. (image version 1.01.08.02b) (Errata 1 dated 10/27/03 & Errata 2 dated 6/8/04)
Eagle Traffic Control Systems (image version 6.2.0.0.0.81) (Errata 1 dated 10/27/03 & Errata 2 dated 6/8/04)
Naztec, Inc. (image version 5.0.0.4) (Errata 1 dated 10/27/03 & Errata 2 dated 6/8/04)
Quixote Traffic Corporation (image version 1.03e) (Errata 1 dated 10/27/03 & Errata 2 dated 6/8/04)
McCain, Inc. (image version 1.6) (Errata 1 dated 10/27/03 & Errata 2 dated 6/8/04)

Model 2070-6A Modem

General Devices, Incorporated (GDI)
Eagle Traffic Control Systems

Model 2070-6B Modem

General Devices, Incorporated (GDI)

Model 2070-7A Serial Comm. Card

Eagle Traffic Control Systems
Econolite
McCain, Inc.
Naztec, Inc.
Quixote Traffic Corporation

Model 200 Switch Packs

General Devices, Incorporated (GDI) Rev. A
Perfect Distribution Control (PDC) --- SSS-88
Traffic Sensor Corporation (TSC) --- 83A059A (C/N SP4200)

Model 204 Flashers

General Devices, Incorporated (GDI) Rev A
Perfect Distribution Control (PDC) --- SSF-88
Traffic Sensor Corporation (TSC) (C/N FU 4204)

Model 206 Power Supply Module

Eagle Traffic Control Systems
McCain, Inc.
Phillips / Sisson Industries, Inc. (PSI)
Safetran Traffic Systems, Incorporated
Traffic Sensor Corporation (TSC)

Model 208 Monitor Unit

McCain, Inc.
Safetran Traffic Systems Incorporated

Model 210 Monitor Unit

Eberle Design Incorporated (EDI)
Phillips / Sisson Industries, Inc. (PSI)
Solid State Devices (SP20) (SP22) (SP32)

Model 222 Two-Channel Loop Detectors

Detector Systems Incorporated
Diablo Engineering (DSP 222)
Eberle Design Incorporated (EDI)
Northstar Controls, LLC
Reno A&E (Model G)(rev. 5 w/audible detect buzzer)

Model 231 Magnetic Detector Element

M-Systems, Inc.
TEECO Safety Incorporated (311-M)

Model 232 Dual Magnetic Detector Sensor Unit

M-Systems, Inc.

Model 242 Two-Channel DC Isolators

Detector Systems Incorporated
Eberle Design Incorporated (EDI)
General Devices, Incorporated (GDI) --- DIM242
Perfect Distribution Control (PDC) --- DCI-82
Traffic Sensor Corporation (TSC)

Model 252 Two-Channel AC Isolators

General Devices, Incorporated (GDI) --- 252CA
Perfect Distribution Control (PDC) --- ACI-88
Traffic Sensor Corporation (TSC)

Model 332A Cabinets

Eagle Traffic Control Systems
US Traffic Corporation
McCain, Inc.
Phillips / Sisson Industries, Inc. (PSI)
Safetran Traffic Systems, Incorporated
Temple, Inc.

Model 334C Cabinets

McCain, Inc.
Safetran Traffic Systems, Incorporated

Model 400 Modems

General Devices, Incorporated (GDI) Rev E
General Devices, Incorporated (GDI) Rev F
Perfect Distribution Control (PDC) - MDM 97

Model 412 Program Module

Automatic / Eagle Signal - 412C
Dynamic Traffic Systems (Dynatrol) 412C
McCain, Inc. - 412C
Phillips / Sisson Industries, Inc. (PSI)
Safetran Traffic Systems, Incorporated --- 412C
Topping Electronics, Incorporated - 412C

PDA2 (Power Distribution Assembly)

McCain, Inc.
Phillips / Sisson Industries, Inc. (PSI)
Safetran Traffic Systems, Incorporated
Traffic Sensor Corporation (TSC)

PDA3 (Power Distribution Assembly)

McCain, Inc.
Safetran Traffic Systems, Incorporated

C2P Modem Interconnect Harness

Rose Supply Company
General Devices, Incorporated (GDI)
McCain
Kreeco

Battery Backup System (BBS) Inverter

US Traffic Corporation 48 VDC Models (1250VA / 875 Watt) Model: PB-1250C-PC; PN: G30190 48 VDC Models (2000VA / 1500 Watt) Model: PB-2000ITS; PN:G30195
Clary Corporation 48 VDC Models (1250VA / 875 Watt)

Model: SP1250PD-CN
On-Line Power, Inc. 48 VDC Models (2000VA / 1500 Watt) Model/PN: CT2.0A0100N1-00
Airpax Dimensions Unlimited, Inc. 24 VDC Models (1100 Watt) Model: ADI-24M11 (332 Cabinet / External Cabinet Mounted) Model: ADI-24Y11 (332 Cabinet Mounted Only) 48 VDC Models (1700 Watt) Model: ADI-48M17 (332 Cabinet / External Cabinet Mounted) Model: ADI-48Y17 (332 Cabinet Mounted Only)
Myers Power Products, Inc. 48 VDC Models (2000VA / 1500 Watt) Model: MP2000ITS; PN: G30219

External Battery Backup System (BBS) Cabinet

US Traffic Corporation Model: BC280-CA-A-K2
Safetran Traffic Systems, Inc. PN: 088397D332-00B
California Chassis PN: 103886
McCain, Inc. PN: M34196
Myers Power Products, Inc. Model: BC280-CA-A

Model 500, 510, 520 Changeable Message Sign (CMS)

Ledstar
McCain, Inc.

LED CMS Pixel Matrix Module

Adaptive Micro Systems Inc. Model #: 12073001
McCain, Inc. Model #: M33531 (Model 500) Model #: M63096 (Model 510)

The effective period of this QPL is indeterminate. Manufacturers are required to notify the 170 / 2070 Program Coordinator of any proposed changes affecting design or performance in the product that has been approved. THIS INCLUDES ALL COMPONENTS LISTED IN MANUALS AND ALL ENGINEERING CHANGES.

Manufacturers, not on the list, who want their assemblies or units tested so as to be added to the QPL for future bids should submit a written request to the 170 / 2070 Program Coordinator.

Failure to perform satisfactorily on purchase orders by failing to meet delivery schedules or maintain a high rate of acceptance will result in being removed from the QPL.

For question about the QPL, please contact the following:

DAVID SONG
170 / 2070 CONTROLLER & CABINET
Program Coordinator
Phone: (916) 654-4591
Fax: (916) 654-5452
david_song@dot.ca.gov

CALIFORNIA DEPARTMENT OF
TRANSPORTATION

TRAFFIC OPERATIONS

HERASMO INIGUEZ
TEES
ITS Project and Standards
Phone: (916) 653-2011
Fax: (916) 653-2144

herasmo_iniguez@dot.ca.gov